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 09/97 U.S. PRO
 09/970613

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Mark Holst, et al.

Title : "EFFLUENT GAS STREAM TREATMENT SYSTEM HAVING UTILITY FOR OXIDATION TREATMENT OF SEMICONDUCTOR MANUFACTURING EFFLUENT GASES"

U.S. Serial No.: New Divisional of Prior Copending U.S. Patent Application No.
09/400,662

Prior Application Filing Date: September 20, 1999

Prior Application Group Art Unit: 1764

Prior Application Examiner: H. Tran

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Date of Deposit: October 4, 2001

I hereby certify that this new patent application with filing fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 20231.

Lee Ann DiLello

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

1. This Information Disclosure Statement is being filed within three months of

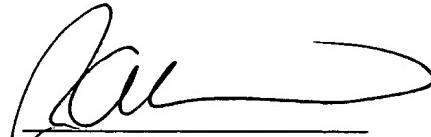
the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required in accordance with 37 CFR § 1.56 and § 1.97(b).

- 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
 - a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application, which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
 - b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
 - c. Attached is our check no. ____ in the amount of \$240 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 50-0860 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check no. ____ in the amount of \$130.00 in payment of the petition fee under 37 C.F.R. §1.17(i)(1). Please credit or debit Deposit Account No. ____ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
 - a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
 - b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- 4. (other): The relevance of these references is that they were cited during the prosecution of the parent application. Copies of these references are

already of record and, therefore, new copies are not being submitted along with this statement under 37 CFR 1.98(d).

Applicant does not believe that any additional fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,



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| FORM PTO-1449 | | US Dept. of Commerce Patent and Trademark Office | ATTORNEY DOCKET NO. E-163 CON-DIV | SERIAL NO. TBA |
| INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary) | | APPLICANT Holst et al. | | |
| | | FILING DATE Herewith | GROUP Not Assigned | |

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| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----|---------------|-------------|----------------|-------|----------|----------------------------|
| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | AA | 5,649,985 | Jul 22 1997 | Imamura | | | |
| | AB | 5,716,428 | Feb 10 1998 | Imamura | | | |
| | AC | 3,898,040 | Aug 5 1975 | Tabak | | | |
| | AD | 5,009,869 | Apr 23 1991 | Weinberg et al | | | |
| | AE | 5,160,707 | Nov 3 1992 | Murray et al | | | |
| | AF | 5,533,890 | Jul 9 1992 | Holst et al | | | |
| | AG | 4,908,191 | Mar 13 1990 | Boldish et al | | | |
| | AH | 5,603,905 | Feb 18 1997 | Bartz et al | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----|-----------------|------------------|---------|-------|-----------|--------------------|
| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS | SUBCLAS S | TRANSLATION YES NO |
| | AI | JP 03-65218 | Mar 20 1991 | Japan | | | Y |
| | AJ | JP 07-10335 | Oct 15 1992 | Japan | | | Y |
| | AK | JP 04-209524 | Oct 15 1992 | Japan | | | Y |
| | AL | WO 9616720 | Jun 6 1996 | WO | | | NA |
| | AM | JP 59082927 | May 14, 1984 | Japan | | | Abstract only |

| OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.) | | |
|--|----|---|
| | AN | Langan, J., "Strategies for Greenhouse Gas Reduction", <i>Solid State Technology</i> July, 115 (1996) |
| | AO | Holmes, J.T., et al., "Fluidized Bed Disposal of Fluorine", <i>I&EC Process Design and Development</i> , Vol. 6, No. 4, pg 411 (1967) |
| | AP | Cady, G. H., "Reaction of Fluorine with Water and with Hydroxides", <i>J. Am. Chem. Soc.</i> Vol. 57, pg 246, (1935) |
| | AQ | Smiley, S.H. et al., "Contiuous Disposal of Fluorine", <i>Industrial and Engineering Chemistry</i> , Vol. 46, pg 244 (1954) |
| | AR | Streng A.G., "The Fluorine-Steam Flame and Its Characteristics", <i>Combustion Flame</i> , Vol. 6, pg 89 (1962) |
| | AS | Hardwick, Steven J., et al., "Waste minimization in semiconductor processing", Mater. Res. Soc. Symp. Proc., 344, pg 273, (1994) |
| | AT | Hayakawa, Saburo, "Silane Gas Scrubber", <i>Koatsu Gasu</i> , 24(7), pg 371-9, (1987) |

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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

| FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary) | | | ATTORNEY DOCKET NO. | | SERIAL NO. | | |
|---|----|-----------------|---------------------|------------------|-----------------|-----------|----------------------------|
| | | | E-163 CON-DIV | | TBA | | |
| | | | APPLICANT | | | | |
| | | | Holst et al. | | | | |
| | | | FILING DATE | | GROUP | | |
| | | | Herewith | | Not assigned | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | BL | 4,519,999 | May 28 1995 | Coleman | | | |
| | BM | 5,271,908 | Dec 21 1993 | Shiban et al. | | | |
| | BN | 5,914,091 | Jun 22 1999 | Holst et al. | | | |
| | BO | 5,693,293 | Dec 2 1997 | Reichardt et al. | | | |
| | BP | 4,886,444 | Dec 12 1989 | Hirase et al. | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.) | | | | | | | |
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